

REPORT ON THE NEW BRUNSWICK MEETING OF THE INSTITUTE

The Sixth Summer Meeting of the Institute of Mathematical Statistics was held at The New Jersey College for Women, Rutgers University, Sunday and Monday, September 12 and 13, 1943, in conjunction with the meetings of the American Mathematical Society and the Mathematical Association of America. The following fifty-two members of the Institute attended the meeting:

T. W. Anderson, H. E. Arnold, K. J. Arnold, L. A. Aroian, B. M. Bennett, E. E. Blanche, C. I. Bliss, A. H. Bowker, Hobart Bushey, W. G. Cochran, T. F. Cope, C. C. Craig, H. B. Curry, J. H. Curtiss, J. F. Daly, Mary Elveback, W. Feller, R. M. Foster, J. A. Greenwood, J. I. Griffin, C. C. Grove, F. E. Grubbs, E. J. Gumbel, Harold Hotelling, Tjalling Koopmans, H. G. Landau, Howard Levene, Simon Lopata, P. J. McCarthy, W. G. Madow, Margaret Martin, J. W. Mauchly, E. B. Mode, L. F. Nanni, C. O. Oakley, P. S. Olmstead, F. E. Satterthwaite, Bernice Scherl, H. M. Schwartz, L. W. Shaw, J. Shohat, Blanche Skalak, Mortimer Spiegelman, Arthur Stein, H. W. Steinhaus, A. W. Tucker, J. W. Tukey, D. F. Votaw, Abraham Wald, S. S. Wilks, Jacob Wolfowitz, Bertram Yood.

Professor S. S. Wilks of Princeton University acted as chairman for the Sunday morning session. The following papers were presented:

1. *Some New Statistical Applications of Partitioned Matrices and Iterative Methods.*
Harold Hotelling, Columbia University
2. *On the Construction of Orthogonal Latin Squares.*
Henry B. Mann, Columbia University

Dr. Jacob Wolfowitz, Columbia University, presided at the session on Sunday afternoon. At this session the following papers were presented:

1. *Recent Developments in the Statistical Analysis of Problems Requiring the Use of Vector Variates.*
W. G. Madow, Office of Price Administration.
2. *Statistical Inference when the Form of the Distribution Function is Unknown.*
Henry Scheffé, Princeton University.

The session on Monday morning was held jointly with the American Mathematical Society. Professor C. C. Craig, University of Michigan, acted as chairman, and the following contributed papers were read:

1. *Asymptotic Distributions of Ascending and Descending Runs.*
Jacob Wolfowitz, Columbia University.
2. *On the Plotting of Statistical Observations.*
E. J. Gumbel, New School for Social Research.
3. *On a Measure-Theoretic Problem Arising in the Theory of Non-Parametric Tests.*
(Read by title.)
Henry Scheffé, Princeton University.
4. *On a General Class of "Contagious" Distributions.*
Will Feller, Brown University.
5. *On the Statistical Treatment of Linear Stochastic Difference Equations.*
H. B. Mann and Abraham Wald, Columbia University.
6. *An Exact Test for Randomness in the Non-Parametric Case Based on Serial Correlation.*
Abraham Wald and Jacob Wolfowitz, Columbia University.